

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(27837A) Hex(87ABA7) Hex(308327) Hex(415755) Hex(D6D6D6) Hex(575757)

Hex(27837A)		Ratio: 1.82 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 3.13 AA 18pt ²	Ratio: 1.59 Failed ⁵
Hex(87ABA7)	Ratio: 1.82 Failed ⁵		Ratio: 1.91 Failed ⁵	Ratio: 3.09 AA 18pt ²	Ratio: 1.72 Failed ⁵	Ratio: 2.89 Failed ⁵
Hex(308327)	Ratio: 1.05 Failed ⁵	Ratio: 1.91 Failed ⁵		Ratio: 1.62 Failed ⁵	Ratio: 3.28 AA 18pt ²	Ratio: 1.51 Failed ⁵
Hex(415755)	Ratio: 1.70 Failed ⁵	Ratio: 3.09 AA 18pt ²	Ratio: 1.62 Failed ⁵		Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 1.07 Failed ⁵
Hex(D6D6D6)	Ratio: 3.13 AA 18pt ²	Ratio: 1.72 Failed ⁵	Ratio: 3.28 AA 18pt ²	Ratio: 5.31 AA ¹ AAA 18pt ⁴		Ratio: 4.97 AA ¹ AAA 18pt ⁴
Hex(575757)	Ratio: 1.59 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 4.97 AA ¹ AAA 18pt ⁴	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

¹ AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

² AA 18pt

AA level for large text above 18pt.

³ AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

⁴ AAA 18pt

AAA level for large text above 18pt.

⁵ Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

⁶ Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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